

Notice of Allowability**Application No.**

10/584,081

Examiner

KIET DOAN

Applicant(s)

ANNONI ET AL.

Art Unit

2617

- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to 08/04/09.
2. ☒ The allowed claim(s) is/are 38,39,42-53 and 56-74.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some* c) ☐ None of the:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
(a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
(b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying Indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

1. ☐ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☒ Interview Summary (PTO-413),
Paper No./Mail Date 09/17/09.
7. ☒ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other _____.

DETAILED ACTION

Continued Examination Under 37 CFR 1.114

1. A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 08/04/2009 has been entered.

EXAMINER'S AMENDMENT

2. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with David Longo at (571) 203-2763 on 09/17/2009.

The examiner amendment as follow:

Claims 40, 41, 54 and 55 are cancelled.

Claim 42 dependent on claim 39.

Claim 56 dependent on claim 53.

Claim 38. A method for identification and registration of a moving object entering a pre-determined area to be monitored, said identification operation comprising interaction between said moving object and an area access system associated with said

predetermined area and comprising supplying identification information, said registration operation being carried out over a wireless communication link to a control center, comprising the steps of:

identifying said moving object through a mutual interaction between said moving object and the area access system, said mutual interaction being performed over a wireless short range communication link; and

performing said registration operation by establishing a non-GPS wireless communication link of the long-range type between said moving object and said control center upon activation of said mutual interaction on the wireless short range communication link;

wherein said supplying identification information comprises sending moving object information;

wherein said identification operation comprises the steps of:

sending an identification request message from the area access system to the moving object, said identification request message comprising said control center address information; and

sending an identification response message from the moving object to the area access system, said identification response message comprising said moving object information.

Claim 52. A system for identification and registration of a moving object entering a pre-determined area to be monitored, wherein said moving object has

associated an object communication and control module, and said pre-determined area to be monitored has associated an area access system comprising interaction modules placed at fixed points in said predetermined area, said system further comprising a control center, said control center and said object communication and control module being suitably equipped for establishing a wireless communication link,

said interaction modules and said object communication and control module being configured for mutually establishing a short range communication link and performing an identification operation through a mutual interaction between said moving object and the area access system, said object communication and control module being further configured for establishing a long range non-GPS wireless communication link with said control center;

wherein said object communication and control module is configured for sending a moving object information to said area access system;

wherein said area access system is further configured for sending an identification request message to the moving object, said identification request message comprising said control center-address information;

said object communication and control module being further configured for sending an identification response message to the area access system, said identification response message comprising moving object information.

Allowable Subject Matter

3. The following is an examiner's statement of reasons for allowance:

Claims 38, 39, 42-53 and 56-74 are allowed.

According to applicant Argument/Remarks file on 08/04/2009 and the prior art record regarding claims 38 and 52. Everett (US 5,857,152) teaches a method for identification and registration of a moving object entering a pre-determined area to be monitored, said identification operation comprising interaction between said moving object and an area access system associated with said predetermined area and comprising supplying identification information, said registration operation being carried out over a wireless communication link to a control center (Col.3, lines 22-43, Fig.1 and Fig. 3, show the vehicle 13 entering the toll area 3 as read on pre-determined area to be monitored by camera 7,8 and 9), comprising the steps of:

identifying said moving object through a mutual interaction between said moving object and the area access system, said mutual interaction being performed over a wireless short range communication link (Col. 2, lines 56-67, Fig.1 show teach vehicle 13 entering the toll are wherein the short range transmitter 10, 11 and 12 perform short range communication link). However, Everett alone or in combination are **fail to suggest or fairly teach** performing said registration operation by establishing a non-GPS wireless communication link of the long-range type between said moving object and said control center upon activation of said mutual interaction on the wireless short range communication link;

wherein said supplying identification information comprises sending moving object information;

wherein said identification operation comprises the steps of:
sending an identification request message from the area access system to the moving object, said identification request message comprising said control center address information; and

sending an identification response message from the moving object to the area access system, said identification response message comprising said moving object information.

Claims 39, 42-51, 53, 56-74 are allow as being dependent on the independent claims 38 and 52.

Conclusion

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to KIET DOAN whose telephone number is (571)272-7863. The examiner can normally be reached on 8am - 5pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Charles Appiah can be reached on 571-272-7904. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Kiet Doan/
Examiner, Art Unit 2617

/Charles N. Appiah/
Supervisory Patent Examiner, Art Unit 2617